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Safety Related Concrete Structures for Nuclear Power Plants (Other than Reactor Vessels and Containments), DG-1283

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Safety Related Concrete Structures for Nuclear Power Plants (Other Than Reactor Vessels and Containments)

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General Comment

ACI 349-13 does not adequately address the inspection and testing of Seismic Category I concrete structures. The measures provided solely in ACI 349 are inadequate to meet the requirements of Appendix B to 10 CFR Part 50. This was discussed in Regulatory Guide 1.142, Revision 2 in the section dealing with the use of ACI 349-97 and other related standards. The measures in ACI 349-13 for the inspection and testing of Seismic Category I concrete structures have not been significantly revised from those in ACI 349-97.

The revised regulatory guide should address the inspection and testing of Seismic Category I concrete structures, by referencing and reinforcing the endorsement in Regulatory Guide 1.28 of ASME NQA-1, Part II, Subpart 2.5, Quality Assurance Requirements for Installation, Inspection, and Testing of Structural Concrete, Structural Steel, Soils, and Foundations for Nuclear Facilities. Doing so would be consistent with the endorsement of NQA-2-1983 in Regulatory Guide 1.142, Revision 2.